

Town of Clarkson
Office of the Supervisor
Pre-Disaster Mitigation Plan
APPENDIX A - HAZARD ANALYSIS

Hazards	HAZ Rank	Append B	Characteristics
Hazard Rankings for the Town of Clarkson are based on past experiences, and the preceived potential for future occurances Class Rank categorized by hazard priority within each class (technological vs. natural).			

Natural Hazards

High Hazards			
Based on computed data High Hazards are unlikely	N/A		N/A

Moderately High Hazards			
Ice Storm	1	1N	The highest priority hazard within the Town of Clarkson, ice storms have great potential to incorporate large land areas, cause severe property damage, and to effect power failures, restrict transportation and communication, and other events. Ice storms are likely be sustained events.
Windstorm (Micro Bursts)	2	2N	Defined as winds exceeding 55 mph, this is a regular event in the Town of Clarkson, and may result in cascade hazards, such as power/utility failure and transportation events. This event can also cause death, serious injury, and property damage.
Blizzard (Severe Winter Storm)	3	3N	A frequent event in the Town of Clarkson, with high potential for taxing existing resources. These storms can impact a large area, with a number of cascade effects, including flooding, transportation accidents, and power failures.
Flood	4	4N	The Town of Clarkson has a number of designated flood plains located within its borders. Due to this, any wide scale flooding may have a moderate impact on the area. Large scale flooding may impede travel, impact sanitary sewer operations, and cause damage to property, roads and bridges.

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Natural Hazards			

Moderately Low Hazards			
Ice Jam	5	5N	Frequent winter time event resulting in little if any property damage
Tornado	6	6N	A rare event that if it occurs would have a major impact on the area
Drought	7	7N	Manageable with current resources and public education
Extreme Temperatures	8	8N	Manageable with current resources and public education
Disease	9	9N	
Infestation	10	10N	
Blight	11	11N	
Earthquake	12	12N	

Low Hazards			
Landslide	13	13T	The flat topography of the Town of Clarkson makes the possibility extremely low.

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Technological Hazards

High Hazards			
Based on computed data High Hazards are unlikely	N/A		N/A

Moderately High Hazards			
Utility Failure	1	1T	A frequent and widespread event, power failure generally occurs as a result of another event, such as flooding or ice storm. Power failure can affect a significant area, occur without warning, and result in injury and economic loss. Critical facilities should be aware of the complications of power failure, and communities should be aware of high risk residents (i.e. persons requiring electrically operated medical equipment). This section includes both gas & electric power sources.
Water Supply Failure	2	2T	The Town of Clarkson receives all of it publicly supplied water from the Monroe County Water Authority. Monroe County receives much of its water supply from Lake Ontario. Contamination of this water body, or failure of the water treatment plant, could result in a critical shortage of water supply in the region. In addition, these events could cause illness and even death among members of the population.
Fire	3	3T	A frequent event within Town of Clarkson, fires require emergency response many times each year. Fires have great potential for injury, disability, and death, but generally not in large numbers.

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Structural Collapse	4	4T	A infrequent event, but due to the presence of old or poorly maintained structures in the Town of Clarkson. It is estimated that the worst case credible threat would include partial or full collapse of the the multi story hospital or nursing home located within the town.
Hazardous Materials (In In Transit)	5	5T	Hazardous Materials Transit accidents are possible within the Town of Clarkson due to the proliferation of major highways, and commercial traffic, including the Erie canal. A major HAZMAT Transit accident could result in serious injury, death, property damage, and/or explosion or fire.

Technological Hazards

Moderately High Hazards

Explosion	6	6T	A frequent occurrence usually resulting as a cascade event in conjunction with another hazard emergency such as fire or a HAZMAT incident. This event can happen without warning, cause moderate to severe damage to property and public infrastructure, and result in death or serious injury.
Transportation Incident	7	7T	A regular event requiring emergency providers to respond to serious multiple casualty vehicular accidents, air traffic accidents, or other vehicle related accidents, and may result in moderate to significant death, injury, property loss, or other damage. The numerous intersections with heavily traveled major state highways pose the greatest individual threats.

Moderately Low Hazards

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Radiologic Incident (Fixed Site)	8		8T	
Hazardous Material Fixed Site	9		9T	
Air Contamination	10		10T	
Radiological Accident (In Transit)	11		11T	
Food Shortage	12		12T	
Terrorism	13		13T	
Energy Crisis	14		14T	

Technological Hazards

Low Hazards				
Based on computed data Low Hazards are unlikely	N/A			N/A
Civil Unrest	15		15T	
Dam Failure	16		16T	